

## CHICAGO DATA CENTER

### Windstream Hosted Solutions' Chicago Center is designed to meet the most demanding requirements.

Whether you choose colocation, dedicated server, managed services or disaster recovery, our Chicago Data Center delivers the highest level of security, safety, redundancy, reliability, scalability and technology. Windstream Hosted Solutions' state-of-the art Data Centers are capable of handling server management applications for customers worldwide. Below are some of the general features of our Chicago Data Center.

#### Special Building Features

- 89,000 sq. ft. data center-specific facility
- 15,650 sq. ft. raised floor data center area
- Onsite support NOC and engineering staff 24 x 7
- Secured cages, full cabinets and half cabinets for customer equipment
- Lightning protection throughout the perimeter, rooftop, electrical and mechanical support infrastructure
- Data center entrance requires two-factor authentication into secure areas
- 36-inch raised floor rated to support 1200 lbs. per sq. ft.
- Conditioned air is supplied via the raised floor for more efficient and effective cooling of computer equipment
- All infrastructure components are concurrently maintainable
- Motion-driven cameras watching every door, aisle, cage, cabinet, NOC and other secure support rooms

- Masonry and steel construction
- Grounding system throughout the data center to provide connections to the raised floor, posts, cages and cabinets

#### Lobby

- 24-hour physical security monitors cameras, door position and badge access areas
- A camera on each doorway
- Door entrance to data center requires two-factor method authentication
- Biometric finger scanner verifies unique finger geometry image and a heat signature before allowing entry into the data center

## Cage/Cabinet

- Cages require unique laser-etched keys
- Windstream Hosted Solutions maintains control of all keys, and access to cages and cabinets require an escort from security personnel
- Strong sheet metal cages with no hand and foot holds are available for larger deployments

## Electrical

- 2N or System Plus System power design
- 2500kVA of initial distribution capacity with each customer cabinet served with redundant A-Side/ B-Side power feeds
- Two (2) 2000kW Cummings backup generators each with 4000 gallons of fuel storage
- Generators tested weekly at no load and monthly at full load
- Multiple MGE 8000 625KVA arrays for true 2N redundancy within the electrical system
- 1550kW of initial usable Uninterrupted Power Supply (UPS) critical load capacity

## HVAC

- Approximately 500 tons of cooling capacity
- 12 50-ton Liebert Computer Room Air Handlers (CRAH) for N + 2 unit redundancy
- All HVAC units are dual-fed from A-Side and B-Side power sources with automatic failover

## Building Management Systems

- All electrical and HVAC components and alarms are monitored by building management systems
- Grid of smoke/heat sensors in ceilings and below floors
- Three-level alarm annunciation throughout complex

## Security Cameras

- Video surveillance and capture to DVR
- 24-hour physical security monitors all cameras, door positions and badge access areas
- Cameras at each doorway and pan-tilt-zooms (PTZs) throughout the exterior of the facility

## Access Controls

- 24 x 7 onsite personnel
- Card-reader access system
- Biometric identity access system
- Electronic verification by Windstream Hosted Solutions personnel
- Individually secured cabinets

To learn more about how your business can benefit from the Chicago Data Center, contact a Windstream Representative at 855.282.5002.